ENGLISH
USER MANUAL

HQ-PURE150/12 (F)
HQ-PURE150/24 (F)

150 WATT DC TO AC PURE SINEWAVE INVERTER

READ INSTRUCTION BEFORE USE!

Useful applications

Run notebook computers, radio's, small TV's, VCR's, DVD players, lamps, fax, etc.

Specifications 12V input version:

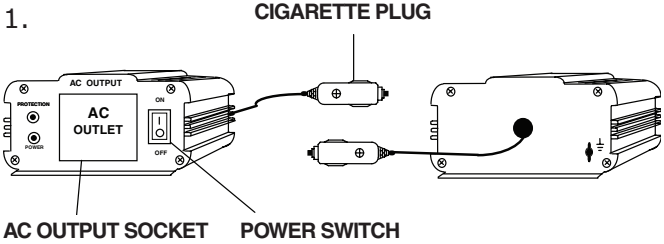
Input voltage range:	10-15V DC
Input full load current:	15A
Standby input current:	<0.65A
Output voltage (AC):	230V ±5%
Output socket:	1x
Socket type:	Schuko (-F: Pin earth)
Output waveform:	Pure sinewave
Output Frequency:	50 Hz
Continuous output power:	150 W
Peak output power:	300 W
Efficiency:	>85%
Battery low alarm:	10.5V ± 0.5V DC
Battery low shutdown:	10V ± 0.5V DC
Thermal protection:	65°C
Cooling:	By air convection
Overload protection:	Yes
High DC input voltage protection:	Yes
AC output short circuit protection:	Yes
Battery polarity protection:	Yes, by fuse
Fuse:	15A
Size (LxWxH):	225 x 117 x 62 mm
Weight:	1010g

Specifications 24V input version:

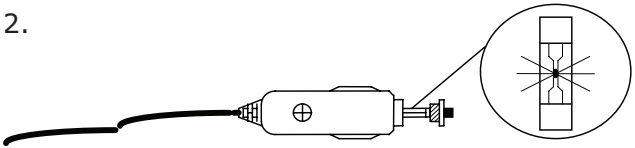
Input voltage range:	20-30V DC
Input full load current:	8A
Standby input current:	<0.5A
Output voltage (AC):	230V ±5%
Output socket:	1x
Socket type:	Schuko (-F: Pin earth)
Output waveform:	Pure sinewave
Output Frequency:	50 Hz
Continuous output power:	150 W
Peak output power:	300 W
Efficiency:	>85%
Battery low alarm:	21V ± 1V DC
Battery low shutdown:	20V ± 1V DC
Thermal protection:	65°C
Cooling:	By air convection
Overload protection:	Yes
High DC input voltage protection:	Yes
AC output short circuit protection:	Yes
Battery polarity protection:	Yes, by fuse
Fuse:	10A
Size (LxWxH):	225 x 117 x 62 mm
Weight:	1010g

Operating instruction:

1.



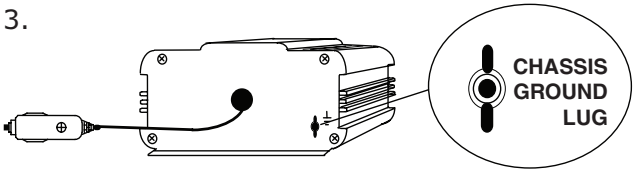
2.



MAX: 15A (12V) // 10A (24V)

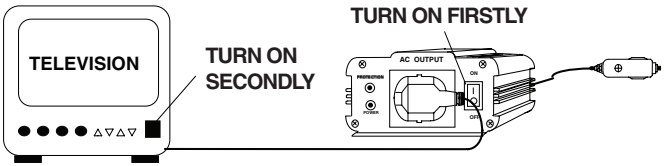
When the inverter and the power indicator do not work, but the power is on, check the fuse in the cigarette plug. If the fuse is spoilt, use similar fuse for replacement.

3.



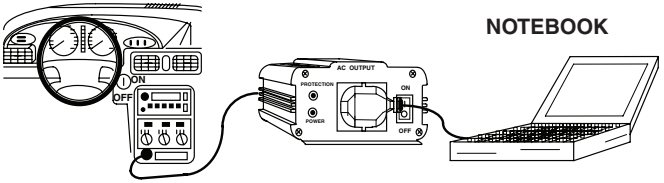
The inverter chassis should be connected to earth by using the earth lug. The earth point will vary depending on where the inverter is installed. In a vehicle, connect chassis ground to chassis of the vehicle. In a boat, connect to the boat's ground system. In a fixed location, connect to earth.

4.



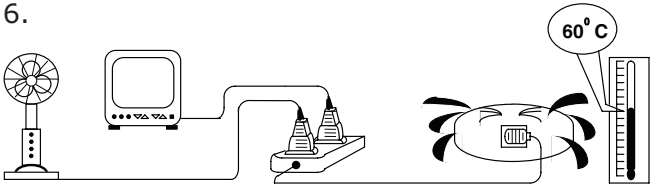
Always make sure to turn on the power of the inverter first, before turning on the power of the connected equipment.

5.



When the alarm for low battery starts, start the car engine to continue using the inverter and connected appliances.

6.



When the total watts of the connected appliance(s) exceed(s) the output capacity of the inverter or when the inverter is operating for a long time and the temperature reaches 60°C, the protection circuit of the inverter will reduce AC output.

Troubleshooting

If the inverter doesn't function properly, there can be several possible reasons for it:

1) Poor contact
   - Clean contact parts thoroughly
2) Inverter has no power
   - Check car fuse, replace damaged fuse
   - Check connection of wires
3) Fuse is blown
   - The fuse is located in the DC (cigarette) plug. Replace the fuse with a similar fuse of equivalent value
4) AC output shutdown caused by overload
   - Make sure the continuous load of the attached appliances does not exceed 150 Watts
5) AC output shutdown caused by overheating
   - Under heavy loads for extended periods of time, the inverter will shutdown the output to prevent damage from excess heat. If this happens, please proceed as below:

   (A) Switch off the power switch of the inverter
   (B) Decrease load of the machine i.e. disconnect some of the appliances or wait until this inverter cools down.
   (C) Switch on the power switch of the inverter.
6) Low-battery shutdown
   - Recharge your battery and resume operation.

Caution!
Always place the inverter in an environment that is:

1. **Well ventilated**
2. **Not exposed to direct sunlight or heat source**
3. **Out of reach from children**
4. **Away from water, moisture, oil or grease**
5. **Away from any inflammable substances**

DECLARATION OF CONFIRMITY

We,

Nedis B.V.

Declare under our responsibility that the product;

Brandname: HQ
Model: **HQ-PURE150/12, HQ-PURE150/12F, HQ-PURE150/24, HQ-PURE150/24F**
Description: **150W DC to AC Pure Sinewave Inverter**
Is in confirmity with the following standards;

e-Mark (72/245/CEE,
2006/28/CE): **e13*72/245*2006/28*3948*00**
EMC (98/336/EEC): **EN 61000-6-3:2001 / EN 61000-6-1:2001**
LVD (73/23/EEC): **EN 60950-1:2001, EN 61558-1:1997 +A1:1998**

Conform this regulation it's allowed to use this product in all European Community & EFTA countries.

Nedis BV is not responsible for the use of this product outside the European Community & EFTA countries.

's-Hertogenbosch, 16-04-2007

Mrs. J. Gilad
Purchase Director